

TABLE 6-6. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 2001–09
(Percent)

Field and race/ethnicity	2001	2002	2003	2004	2005	2006	2007	2008	2009
White									
All fields	72.3	71.0	69.5	67.7	67.6	66.8	65.5	64.8	64.0
S&E	67.9	67.4	66.1	65.3	64.7	64.5	63.8	62.7	61.7
Science	68.0	67.5	66.2	65.5	64.9	64.7	64.2	63.1	62.3
Agricultural sciences	84.8	83.4	84.2	82.6	82.0	81.4	80.5	83.0	80.1
Biological sciences	73.5	73.8	73.0	70.7	70.6	70.6	67.9	64.7	64.5
Computer sciences	51.2	52.2	49.7	51.1	53.0	54.5	54.5	53.1	52.7
Earth, atmospheric, and ocean sciences	87.6	88.2	87.5	87.2	86.1	85.0	87.0	82.6	85.4
Atmospheric sciences	85.3	86.7	91.4	88.9	89.8	87.6	88.6	85.5	87.2
Earth sciences	88.8	88.9	87.4	87.1	85.1	84.5	87.0	81.9	85.1
Ocean sciences	77.3	82.8	84.7	86.6	92.4	87.0	84.3	85.1	84.5
Mathematics and statistics	73.9	73.0	73.5	71.5	70.3	68.6	67.0	67.1	67.1
Physical sciences	75.0	73.2	73.5	76.0	73.5	73.4	70.9	70.9	68.4
Astronomy	72.3	76.6	71.3	74.5	80.3	82.9	79.8	82.8	70.2
Chemistry	71.5	69.5	69.8	73.1	68.7	69.0	68.2	67.7	65.5
Physics	77.6	73.9	75.4	78.2	75.9	75.1	71.4	73.6	70.9
Other	87.8	86.7	87.6	87.3	88.6	91.0	86.5	71.7	77.8
Psychology	70.7	68.9	68.3	67.5	65.8	66.3	64.9	63.6	62.5
Social sciences	66.8	66.4	65.0	64.1	62.6	61.2	61.9	61.0	60.2
Anthropology	79.7	76.8	77.4	77.5	75.3	73.9	73.1	73.9	74.2
Area and ethnic studies	61.7	61.1	57.5	61.5	56.7	53.4	57.3	55.3	55.2
Economics	71.7	69.4	61.9	62.1	61.8	60.6	63.5	60.0	63.8
History of science	85.7	69.7	72.2	77.3	87.0	90.6	76.9	87.2	89.3
Linguistics	72.1	76.9	73.1	72.9	71.1	66.2	69.8	70.4	70.0
Political science and public administration	64.0	63.9	63.1	62.3	61.0	59.8	59.9	58.8	57.5
Sociology	67.5	67.0	67.5	65.6	63.6	64.3	64.6	63.9	62.1
Other	72.9	73.0	71.8	67.9	67.4	66.0	66.7	68.2	66.4
Engineering	67.3	67.2	65.8	64.3	64.1	63.7	62.0	61.2	59.4
Aerospace engineering	76.9	78.5	78.4	76.7	76.0	74.1	73.1	75.3	77.5
Chemical engineering	67.1	65.7	65.7	64.6	61.2	65.5	63.0	60.6	62.0
Civil engineering	76.6	74.5	74.3	75.1	72.9	74.2	71.6	71.9	69.7
Electrical engineering	56.5	57.1	55.0	53.1	53.4	52.5	50.9	48.9	44.1
Industrial engineering	64.4	64.1	62.5	60.1	56.3	57.4	56.3	56.2	55.4
Materials engineering	72.2	74.2	74.1	72.9	69.6	70.8	71.9	66.7	68.4
Mechanical engineering	70.1	71.5	72.5	70.0	72.2	69.8	70.3	69.5	69.5
Other	71.0	70.9	68.3	68.2	67.8	65.6	62.7	61.8	61.3
Non-S&E	73.2	71.7	70.3	68.2	68.3	67.3	65.8	65.2	64.5
Asian/Pacific Islander ^a									
All fields	5.4	5.5	5.5	5.6	5.8	5.8	5.9	5.9	6.0
S&E	9.8	9.5	10.0	10.3	10.2	9.7	9.9	9.7	9.8
Science	8.2	8.2	8.6	8.6	8.5	7.8	7.9	7.6	7.4
Agricultural sciences	3.0	3.6	2.9	3.1	3.1	2.4	3.6	2.9	3.6
Biological sciences	9.6	9.7	11.0	11.7	11.5	11.0	11.8	12.1	12.6
Computer sciences	22.8	22.0	22.1	21.0	20.4	17.7	17.5	16.7	15.3
Earth, atmospheric, and ocean sciences	2.4	3.1	2.2	3.0	2.2	2.1	1.8	2.8	1.8
Atmospheric sciences	4.3	6.2	3.1	3.7	2.4	3.1	3.2	2.9	1.5
Earth sciences	1.7	2.5	1.7	2.6	2.3	2.0	1.4	2.5	1.6
Ocean sciences	6.8	5.4	5.4	5.0	1.1	1.9	3.9	5.3	3.9
Mathematics and statistics	10.0	10.0	10.0	10.9	11.5	12.8	14.0	12.7	13.3

TABLE 6-6. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 2001–09
(Percent)

Field and race/ethnicity	2001	2002	2003	2004	2005	2006	2007	2008	2009
Physical sciences	8.8	8.7	9.3	7.4	9.0	7.7	9.8	8.0	9.4
Astronomy	7.7	5.2	7.4	5.9	5.7	1.7	3.5	1.6	10.5
Chemistry	11.0	9.9	12.1	9.2	11.9	9.8	12.4	10.1	12.4
Physics	6.9	8.0	6.7	5.9	6.6	6.6	8.2	6.9	6.2
Other	2.5	6.7	4.1	1.2	4.5	1.8	2.8	1.3	2.0
Psychology	3.6	3.9	3.7	3.9	3.8	3.9	4.1	4.0	3.8
Social sciences	5.2	5.1	5.6	5.6	6.0	5.8	5.7	5.7	5.6
Anthropology	3.9	3.7	4.4	4.3	4.3	3.7	4.6	4.4	5.2
Area and ethnic studies	7.9	7.2	8.1	6.8	7.8	7.2	7.6	7.7	8.2
Economics	9.6	10.0	11.7	10.5	10.4	11.6	10.5	10.8	11.1
History of science	0.0	6.1	11.1	13.6	4.3	3.1	3.8	2.6	3.6
Linguistics	10.9	7.4	9.1	9.3	9.7	9.6	7.9	7.9	6.9
Political science and public administration	4.9	4.6	5.0	5.3	5.7	5.5	5.4	5.4	5.2
Sociology	4.0	4.9	5.4	5.8	5.8	5.0	4.4	4.7	4.7
Other	3.8	3.7	3.5	3.8	4.3	4.0	4.4	3.9	4.1
Engineering	15.5	14.2	15.1	16.5	16.3	16.8	17.4	17.7	18.8
Aerospace engineering	10.3	7.3	9.4	8.8	8.5	9.4	10.1	9.3	9.8
Chemical engineering	16.5	14.5	14.6	19.2	14.3	15.0	14.9	15.3	16.1
Civil engineering	7.9	7.8	8.9	9.1	9.7	9.0	10.3	9.8	9.6
Electrical engineering	25.8	22.9	24.0	27.1	26.5	26.8	28.5	29.7	35.3
Industrial engineering	10.7	9.7	13.1	12.5	15.2	15.2	14.5	14.5	12.0
Materials engineering	13.5	11.3	13.8	12.7	14.2	14.6	14.3	15.0	15.0
Mechanical engineering	16.1	14.2	11.8	13.2	11.5	12.8	12.1	12.4	12.4
Other	12.6	12.5	12.6	12.7	13.7	15.9	16.2	16.2	15.3
Non-S&E	4.5	4.7	4.6	4.7	4.9	4.9	5.1	5.1	5.2
Black									
All fields	8.6	8.8	9.0	9.3	9.7	10.0	10.3	10.3	10.5
S&E	8.6	8.6	9.1	9.0	8.9	8.9	9.1	9.4	9.5
Science	9.7	9.7	10.2	10.2	10.1	10.0	10.3	10.6	10.8
Agricultural sciences	2.9	2.5	3.0	2.9	2.4	2.7	3.2	2.8	3.3
Biological sciences	5.6	5.2	5.1	5.9	5.5	5.5	5.9	6.2	5.8
Computer sciences	7.8	8.1	9.4	8.3	8.1	8.1	9.0	9.7	9.5
Earth, atmospheric, and ocean sciences	1.8	1.5	1.4	1.7	1.2	2.1	1.6	2.2	1.9
Atmospheric sciences	3.4	1.8	1.6	2.2	1.8	4.3	1.9	2.3	3.0
Earth sciences	1.5	1.5	1.2	1.5	1.1	1.8	1.6	2.1	1.7
Ocean sciences	2.3	1.1	2.7	2.5	1.1	1.9	2.0	2.6	1.9
Mathematics and statistics	5.5	5.3	4.4	4.6	4.8	5.0	4.8	4.8	4.3
Physical sciences	5.2	5.0	4.5	4.5	3.7	5.3	4.3	4.9	5.2
Astronomy	0.0	2.6	1.1	1.0	1.6	2.6	0.0	0.0	3.5
Chemistry	5.9	5.9	5.9	6.3	4.3	6.7	5.2	7.2	6.8
Physics	5.1	4.5	3.8	2.7	3.5	4.3	3.7	2.6	3.4
Other	3.0	3.0	1.2	3.0	2.8	3.0	4.3	3.1	3.9
Psychology	11.5	12.0	12.9	12.9	13.5	12.0	12.6	13.3	13.5
Social sciences	13.2	13.1	13.4	13.5	13.0	13.4	13.3	13.3	13.4
Anthropology	3.7	3.5	3.4	3.1	2.9	3.0	3.7	4.1	2.6
Area and ethnic studies	6.7	8.6	10.1	9.3	9.5	7.7	9.9	10.6	10.7
Economics	5.6	6.4	5.0	4.7	5.4	5.6	5.5	6.1	5.6
History of science	4.8	6.1	0.0	0.0	0.0	3.1	7.7	5.1	3.6
Linguistics	3.6	1.4	2.0	0.8	2.1	2.9	3.5	1.6	2.9
Political science and public administration	16.0	15.5	15.6	15.3	15.0	15.6	15.3	15.3	15.7

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(Percent)

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Sociology	16.9	16.1	15.7	16.4	15.2	14.3	13.5	14.0	14.0
Other	10.1	10.9	12.5	14.7	13.5	14.6	13.8	12.5	12.2
Engineering	4.5	4.8	5.1	4.7	4.6	4.7	4.8	4.9	4.6
Aerospace engineering	2.8	3.5	1.7	1.9	2.9	3.2	3.6	3.1	2.3
Chemical engineering	4.7	4.7	6.6	4.4	7.6	5.0	5.6	7.6	5.0
Civil engineering	3.7	3.9	3.6	2.7	3.2	2.9	3.6	3.9	3.3
Electrical engineering	4.8	4.7	5.2	4.5	4.4	4.5	5.0	5.0	4.4
Industrial engineering	6.1	7.2	7.6	7.5	7.0	8.1	7.0	7.5	7.3
Materials engineering	2.2	5.0	3.7	5.0	4.2	2.8	2.0	3.5	5.5
Mechanical engineering	4.0	3.2	3.5	3.2	2.9	3.1	3.0	3.4	3.0
Other	4.8	5.3	6.0	6.1	5.4	5.8	5.9	5.6	5.7
Non-S&E	8.7	8.8	9.0	9.3	9.9	10.2	10.5	10.5	10.7
Hispanic ^b									
All fields	5.5	5.5	5.7	6.1	6.4	6.5	6.7	6.7	6.9
S&E	5.7	5.7	5.8	6.1	6.2	6.3	6.6	6.6	6.7
Science	5.8	5.7	5.9	6.1	6.2	6.4	6.7	6.7	6.9
Agricultural sciences	3.7	4.9	3.8	4.8	5.2	5.5	4.9	4.4	5.5
Biological sciences	5.5	4.8	4.6	5.1	5.2	5.0	5.6	5.8	5.6
Computer sciences	5.2	3.8	5.5	5.4	4.5	4.8	4.9	4.9	5.2
Earth, atmospheric, and ocean sciences	2.4	2.9	2.2	2.7	3.4	3.6	3.0	4.2	3.0
Atmospheric sciences	0.0	0.9	1.6	1.5	1.8	1.2	3.2	6.4	3.0
Earth sciences	2.5	3.1	2.3	3.0	3.8	4.0	2.9	4.1	3.1
Ocean sciences	3.4	3.2	1.8	1.7	1.1	1.9	3.9	2.6	2.9
Mathematics and statistics	3.5	3.8	4.9	4.5	4.6	5.4	5.5	5.5	4.9
Physical sciences	4.8	5.6	5.8	4.8	5.2	5.9	5.1	5.3	6.0
Astronomy	1.5	2.6	2.1	2.9	1.6	5.1	2.6	4.7	3.5
Chemistry	5.3	5.7	6.9	5.1	6.5	7.7	5.5	5.9	6.2
Physics	4.6	6.8	4.8	4.4	4.4	4.6	5.2	4.7	6.3
Other	3.0	2.2	4.6	6.0	2.8	0.6	2.1	4.4	3.3
Psychology	6.8	7.0	6.9	7.3	7.7	8.0	8.2	8.5	8.3
Social sciences	6.4	6.6	6.5	6.6	6.8	7.0	7.4	7.1	7.4
Anthropology	4.5	6.4	5.0	5.8	6.0	5.6	6.0	5.6	7.3
Area and ethnic studies	8.7	8.7	9.9	8.5	9.3	9.9	10.0	12.5	11.5
Economics	4.5	4.8	5.9	5.4	6.3	5.6	4.7	4.1	4.6
History of science	4.8	0.0	5.6	0.0	0.0	0.0	3.8	2.6	3.6
Linguistics	6.9	5.4	6.5	6.5	6.2	9.3	9.2	7.5	7.9
Political science and public administration	6.7	6.7	6.7	6.8	6.9	6.8	7.7	7.2	7.5
Sociology	6.7	7.9	6.7	7.6	8.2	8.9	7.9	7.3	9.7
Other	5.0	4.9	4.5	5.2	5.7	6.5	6.3	6.3	6.4
Engineering	5.4	5.5	5.3	6.2	6.0	5.8	6.3	6.3	6.3
Aerospace engineering	3.1	4.8	3.1	3.6	5.9	3.8	5.2	4.0	4.1
Chemical engineering	5.5	6.8	5.9	5.7	5.5	6.7	6.2	6.9	7.3
Civil engineering	6.0	7.2	5.7	5.9	6.8	6.0	6.7	6.8	6.7
Electrical engineering	4.4	4.5	5.5	6.4	5.3	5.7	5.8	5.6	5.2
Industrial engineering	9.7	10.5	7.8	10.1	11.0	10.1	11.0	12.3	12.5
Materials engineering	5.2	3.9	1.6	3.8	5.8	3.9	4.6	5.1	3.5
Mechanical engineering	4.2	3.9	5.2	6.0	5.3	5.4	6.0	5.4	6.3
Other	4.6	3.6	4.1	4.6	4.3	4.1	5.0	5.0	4.9
Non-S&E	5.4	5.5	5.7	6.1	6.5	6.5	6.8	6.7	6.9

TABLE 6-6. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 2001–09
(Percent)

Field and race/ethnicity	2001	2002	2003	2004	2005	2006	2007	2008	2009
American Indian/Alaska Native									
All fields	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
S&E	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Science	0.7	0.6	0.6	0.7	0.6	0.7	0.7	0.6	0.6
Agricultural sciences	0.5	0.7	0.7	0.6	0.8	1.0	0.9	0.9	0.7
Biological sciences	0.5	0.6	0.5	0.5	0.4	0.6	0.4	0.7	0.5
Computer sciences	0.8	0.4	0.4	0.5	0.4	0.6	0.4	0.5	0.4
Earth, atmospheric, and ocean sciences	0.9	0.3	0.7	0.5	0.8	0.3	0.6	0.5	0.7
Atmospheric sciences	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.0	0.0
Earth sciences	0.8	0.4	0.9	0.7	0.9	0.3	0.7	0.7	1.0
Ocean sciences	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mathematics and statistics	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.2
Physical sciences	0.4	0.6	0.5	0.3	0.4	0.5	0.4	0.5	0.7
Astronomy	0.0	0.0	1.1	0.0	0.8	0.0	0.0	0.0	0.9
Chemistry	0.5	0.9	0.4	0.2	0.5	0.6	0.6	0.5	0.6
Physics	0.2	0.5	0.6	0.5	0.3	0.3	0.3	0.4	0.8
Other	0.0	0.0	0.4	0.0	0.6	1.2	0.7	0.6	0.7
Psychology	0.8	0.7	0.8	0.7	0.7	0.7	0.6	0.6	0.6
Social sciences	0.9	0.8	0.8	0.9	0.7	0.8	0.9	0.7	0.8
Anthropology	1.7	1.3	1.1	1.9	1.4	2.0	2.3	1.5	1.4
Area and ethnic studies	1.6	1.6	2.7	2.0	1.9	1.6	1.7	2.2	1.8
Economics	0.6	0.8	0.4	0.4	0.6	0.2	0.7	0.4	0.5
History of science	4.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linguistics	0.3	1.1	0.3	0.5	1.4	0.4	0.5	0.5	0.7
Political science and public administration	0.6	0.7	0.7	0.9	0.6	0.7	0.8	0.7	0.8
Sociology	1.6	1.0	1.0	0.9	0.5	0.7	0.6	0.8	0.6
Other	0.8	0.5	0.3	0.6	0.4	0.7	0.5	0.4	0.5
Engineering	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4
Aerospace engineering	0.6	1.0	0.5	1.0	0.3	1.2	0.7	0.1	0.8
Chemical engineering	0.6	0.3	0.3	0.0	0.5	0.3	1.0	0.5	0.5
Civil engineering	0.4	0.4	0.5	0.6	0.4	0.6	0.5	0.4	0.6
Electrical engineering	0.3	0.3	0.4	0.2	0.4	0.3	0.1	0.5	0.3
Industrial engineering	0.8	0.4	0.4	0.8	0.8	0.4	0.6	0.7	0.6
Materials engineering	0.2	0.5	0.3	0.2	0.2	0.2	0.0	0.5	0.0
Mechanical engineering	0.3	0.3	0.4	0.8	0.2	0.4	0.4	0.3	0.3
Other	0.4	0.3	0.5	0.3	0.5	0.5	0.4	0.3	0.4
Non-S&E	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Other or unknown race/ethnicity ^c									
All fields	7.6	8.7	9.6	10.7	9.8	10.3	11.0	11.7	12.0
S&E	7.4	8.2	8.4	8.7	9.5	10.0	10.0	11.0	11.7
Science	7.6	8.3	8.5	9.0	9.8	10.4	10.2	11.4	12.0
Agricultural sciences	5.0	4.9	5.3	6.0	6.6	7.0	7.0	6.0	6.8
Biological sciences	5.3	5.8	5.9	6.2	6.8	7.2	8.4	10.6	11.0
Computer sciences	12.3	13.5	12.9	13.7	13.5	14.3	13.8	15.1	16.9
Earth, atmospheric, and ocean sciences	5.0	4.0	6.0	4.9	6.3	6.9	6.0	7.6	7.1
Atmospheric sciences	6.9	4.4	2.3	3.7	3.6	3.7	2.5	2.9	5.4
Earth sciences	4.7	3.6	6.5	5.1	6.8	7.3	6.5	8.8	7.5
Ocean sciences	6.8	7.5	5.4	4.2	4.3	7.4	5.9	4.4	6.8
Mathematics and statistics	6.6	7.4	6.8	8.2	8.5	7.9	8.3	9.5	10.2

TABLE 6-6. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 2001–09
(Percent)

Field and race/ethnicity	2001	2002	2003	2004	2005	2006	2007	2008	2009
Physical sciences	5.8	6.9	6.4	7.1	8.2	7.2	9.4	10.4	10.4
Astronomy	18.5	13.0	17.0	15.7	9.8	7.7	14.0	10.9	11.4
Chemistry	5.8	8.1	4.9	6.1	8.1	6.2	8.2	8.5	8.5
Physics	5.6	6.4	8.7	8.3	9.4	9.0	11.1	11.8	12.5
Other	3.8	1.5	2.1	2.4	0.6	2.4	3.5	18.9	12.4
Psychology	6.7	7.5	7.5	7.7	8.5	9.2	9.6	10.1	11.2
Social sciences	7.6	8.1	8.8	9.2	10.8	11.8	10.8	12.2	12.5
Anthropology	6.6	8.3	8.6	7.3	10.2	11.8	10.3	10.5	9.2
Area and ethnic studies	13.5	12.7	11.7	11.9	14.9	20.2	13.4	11.6	12.6
Economics	7.9	8.6	15.0	16.9	15.5	16.4	15.1	18.5	14.5
History of science	0.0	15.2	11.1	9.1	8.7	3.1	7.7	2.6	0.0
Linguistics	6.3	7.7	9.1	10.1	9.5	11.6	9.2	12.2	11.5
Political science and public administration	7.7	8.5	8.8	9.3	10.8	11.7	10.8	12.7	13.3
Sociology	3.3	3.1	3.7	3.7	6.7	6.7	8.9	9.2	9.0
Other	7.4	7.1	7.4	7.8	8.7	8.1	8.3	8.6	10.5
Engineering	6.8	7.9	8.2	7.8	8.6	8.6	9.1	9.5	10.5
Aerospace engineering	6.4	4.8	7.0	7.9	6.4	8.3	7.4	8.1	5.6
Chemical engineering	5.6	8.0	6.9	6.1	10.8	7.5	9.3	9.2	9.1
Civil engineering	5.4	6.1	7.0	6.6	7.0	7.4	7.3	7.2	10.2
Electrical engineering	8.3	10.5	9.9	8.8	10.0	10.1	9.7	10.3	10.6
Industrial engineering	8.4	8.0	8.6	9.0	9.7	8.8	10.7	8.8	12.1
Materials engineering	6.7	5.0	6.6	5.3	6.0	7.7	7.2	9.3	7.5
Mechanical engineering	5.3	6.8	6.5	6.8	7.9	8.5	8.2	9.0	8.5
Other	6.6	7.3	8.5	8.1	8.3	8.1	9.8	11.0	12.3
Non-S&E	7.7	8.8	9.8	11.1	9.9	10.4	11.2	11.9	12.1

S&E = science and engineering.

^a Includes Asian and Native Hawaiian/Other Pacific Islander.

^b Beginning in 2008, category includes Hispanic of one or more races.

^c Before 2008, survey did not collect information on two or more races; during this period category includes only race/ethnicity unknown. Beginning in 2008, survey allowed institutions to report race/ethnicity as two or more races; during this period category includes two or more races and race/ethnicity unknown. Data on students of two or more races are based on data from institutions that used optional new race/ethnicity categories and are not representative of all students who could be classified into two or more races.

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Year 2009 data based on degree-granting institutions eligible to participate in Title IV federal financial aid programs and do not match previously published data that were based on accredited higher education institutions.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 2001–09.